



Missouri
Department of Natural Resources

*2006 Annual Compliance Report
of Missouri
Public Drinking Water Systems*



Photo: Fulbright Water Treatment Plant, Springfield, Mo

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*Front Cover: City Utilities' Fulbright Water Treatment Facility
City Utilities celebrated the 50th anniversary of the Water Department in 2007*

Note from the Branch Chief



The Public Drinking Water Branch of the Missouri Department of Natural Resources has an important mission to ensure safe drinking water to every visitor and resident of Missouri by regulating public water systems. The purpose of this report is to let readers know how water systems in Missouri are performing. The report is the eleventh Annual Compliance Report and covers calendar year 2006. The branch is providing the report to the U.S. Environmental Protection Agency (EPA) for inclusion in a national report summarizing the performance of the nation's drinking water supplies.

In 1974, Congress passed the Safe Drinking Water Act, the first national legislation regulating drinking water. Under this law, states may seek primacy, or approval from EPA to administer a Public Water System Supervision Program. To receive primacy, states must meet certain requirements laid out in the Safe Drinking Water Act, including adoption and enforcement of drinking water regulations at least as stringent as federal regulations. EPA granted primacy to the State of Missouri in 1979. In 1996 Congress amended the Safe Drinking Water Act to require states to provide an annual report to the public on public water systems' violations of safe drinking water regulations.

The branch provides this report not only to comply with statutory obligations mandated by the Safe Drinking Water Act, but also to focus attention and provide an understanding of the importance of quality drinking water.

A handwritten signature in black ink, appearing to read "Sturgess", with a stylized flourish at the end.

Steve Sturgess, Chief
Public Drinking Water Branch
Missouri Department of Natural Resources

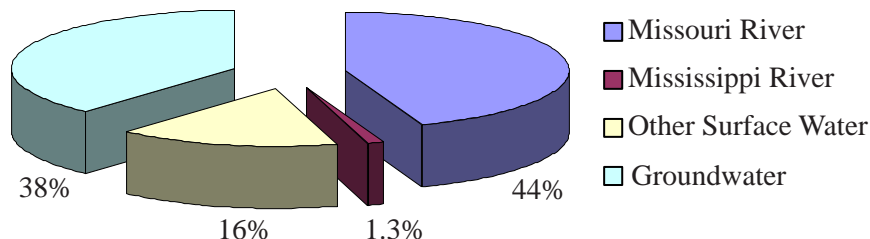
The Missouri Public Water System Universe in 2006

A Public Water System is defined as a system that provides water through piping or other constructed conveyances for human consumption to at least 15 service connections or serves an average of at least 25 people for at least 60 days each year. Water testing at systems serving fewer people than this is facilitated by local and county sanitarians and the Missouri Department of Health and Senior Services, rather than the Department of Natural Resources.

There are three types of PWSs: community, non-transient non-community and transient non-community. Examples of community systems include towns, water districts, subdivisions, mobile home parks and residential facilities such as nursing homes or prisons. Non-transient non-community systems serve the same people every day, but not in a residential setting; schools and factories are good examples. Transient non-community systems serve different people daily, such as restaurants, resorts and rest stops. These smaller systems are typically in rural areas where it is not feasible to hook up

to a city or water district. The requirements for construction, operation, monitoring, etc., vary among systems based on their type, size, and source of water.

Source of Water (Percent Population Served)



In 2006, there were 2,771 active PWSs in Missouri. Of this total, 1,487 were community, 245 were non-transient non-community and 1,039 were transient non-community systems.

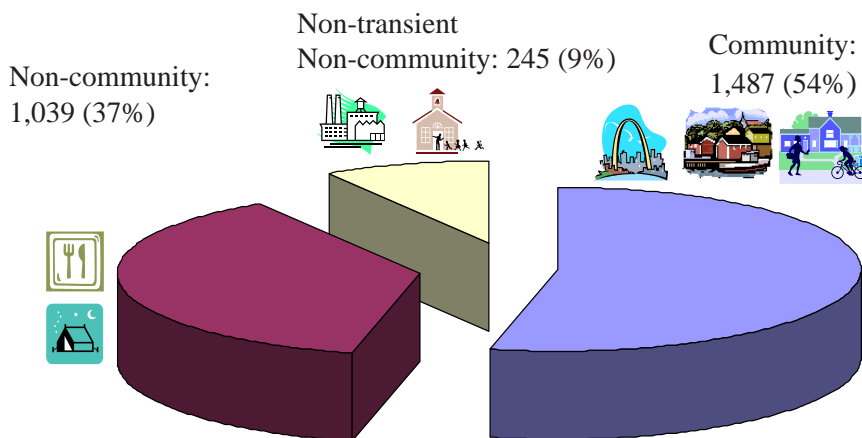
The community water systems in Missouri served more than 5 million citizens in 2006. These citizens benefit from one of Missouri's most outstanding resources: its water. There is generally a large quantity of high-quality water in Missouri. By far the largest source of drinking water for Missourians is surface water from the Missouri River. The abundant supply of water in the Missouri River and its proximity to the state's major population centers make the use of this river as a source so popular.

Historically, more people used to get their drinking water from the Mississippi River than they do now. Several intakes on the Mississippi River are no longer in use.

Groundwater is the next most used source of drinking water for Missouri's community supplies. In southern Missouri good quality groundwater is easy to obtain and typically requires very little treatment to be used for drinking water.

Some groundwater systems have the best of both worlds and use alluvial wells in valleys of the Missouri and Mississippi river system where they can get large volumes of water free of surface contaminants. Wells in the Missouri River alluvium provide groundwater to a significant population. More than half the state's population get their drinking water from the Missouri River or its alluvial wells. The importance of this resource cannot be overstated.

2006 Public Water System by Type



Analysis of Compliance by Public Water Systems in 2006

We expect a lot from our public water systems and require testing for more than 90 different regulated chemicals and microbiological contaminants during the year. A system is to be applauded for performing all required testing and meeting all maximum contaminant level (MCL) standards. When MCL violations do occur, that often is the first identification of a

problem and can be the first step toward correcting it. Many public water systems perform testing beyond what is required by the state.

The Summary of Violations tables are counts of individual violations. Appendices A through D list specific systems by county. Each PWS has the potential to accumulate multiple violations during the year because there are multiple regulations involved and some monitoring is on a monthly schedule

For example, the monitoring requirements for the Total Coliform Rule alone create a potential for more than 30,000 violations. This puts some perspective on the violation figures shown in the tables. Another factor is the number of systems that have violations. Many of the violations are from water systems with problems that result in multiple violations during the year, while other systems may only have one or two violations. The department uses various methods to focus on the water systems that need attention.

The Missouri Department of Natural Resources and the U.S. Environmental Protection Agency use a process called Significant Non-Compliers to focus attention on the water systems with problems that are considered significant. These are the systems with serious viola-

tions that potentially affect public health or with multiple monitoring violations. Appendix D gives the list of Significant Non-Compliers. Some of the systems listed, however, may have already resolved these problems.

During 2006 there were 88 systems on the list. This is down from 143 systems in 2005, a reduction of 38 percent. This means 2,683 of the 2,771 public water systems, or 97 percent, were not significant violators in 2006.

Those systems listed as Significant Non-Compliers typically serve a small population. They accounted for 3 percent of public water systems, but only 1 percent of the population served.

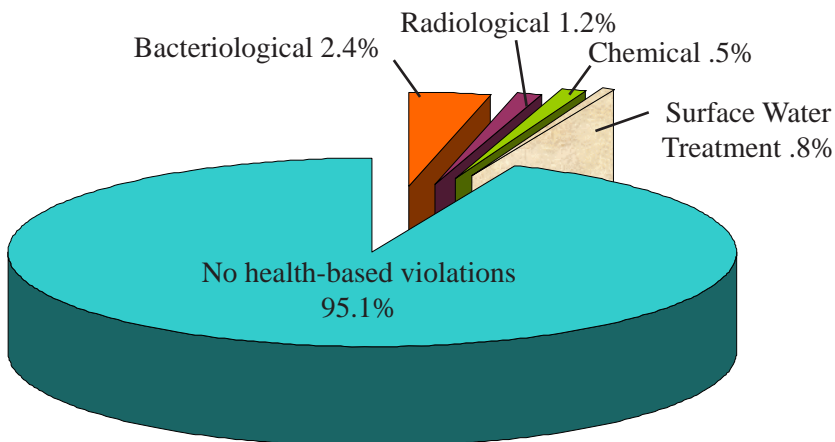
Maximum contaminant level and treatment technique violations rep-

resent the most significant impact on the public health. These occurred at a small number of public water systems serving less than 5 percent of the population.

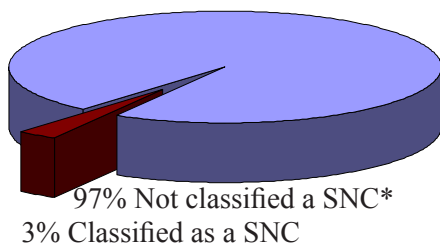
In 2006, Missouri community water systems met EPA's target of serving water that meets all health-based standards to 95 percent of the population. EPA set this target for states to reach by 2008. Since 1996, when the first Annual Compliance Report was produced, through 2003 the results for Missouri have been consistently at or above this target, though they may vary slightly from year to year. The small dip below the 95 percent target in 2004 and 2005 did not represent a reduction in water quality, but is a result of more stringent drinking water standards.

The majority of MCL and monitoring violations were for failure to meet the requirements of the Total Coliform Rule. All public water systems in the state must test for this type of bacteria every month they dispense water to the public. Monitoring violations are by far the most common. The department is particularly concerned when monitoring violations occur at public water systems that have

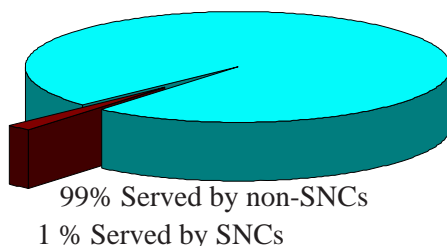
Percent Population of Community Water Systems Meeting Health-based Standards



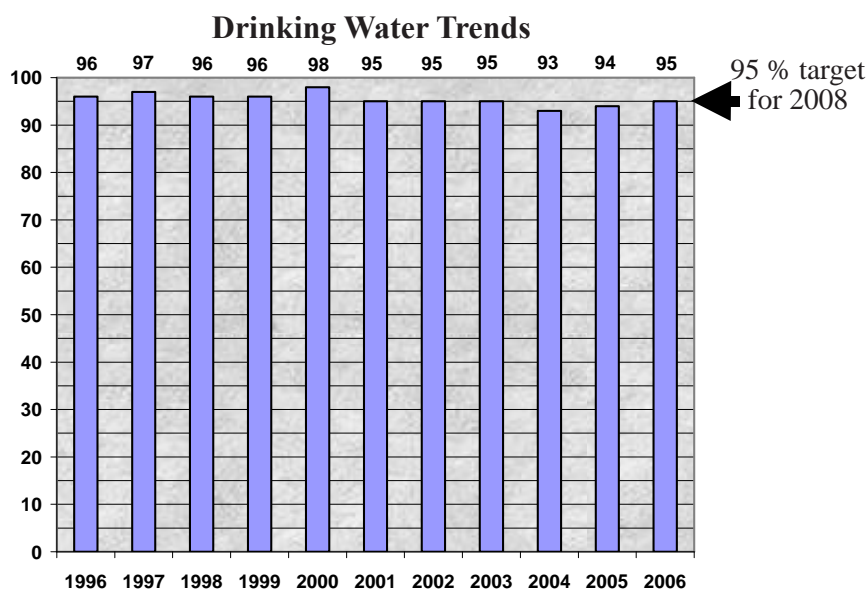
Significant Non-Compliers



Percent of Population Served by Significant Non-Compliers



* Significant Non-Complier



a history of bacteriological contamination. Adequate testing is the only way to know for sure if the problems have been corrected or have reoccurred.

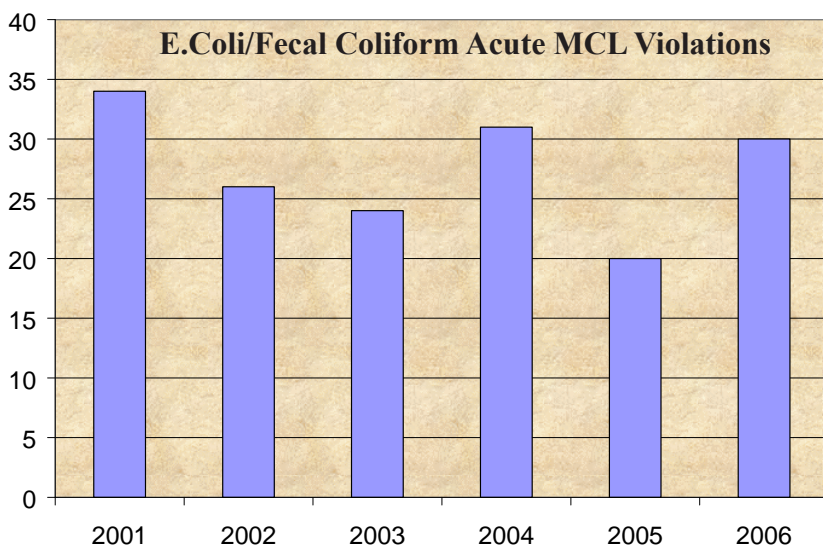
For the Total Coliform Rule, the Public Drinking Water Branch reports the following summary for the year 2006 in comparison to 2005.

- MCL violations for total coliform bacteria decreased 8 percent from 425 to 390.
- Acute MCL violations for fecal coliform/E. coli increased 50 percent from 20 to 30.

- Major monitoring violations increased 3 percent from 787 to 807.

In 2006 only one percent, 28 out of the 2,771 public water systems in the state, had acute violations for fecal coliform or E. coli. (Two of these 28 systems had two acute MCL violations each during the year, resulting in a total of 30 acute MCL violations.)

Another way to look at the number of acute MCL violations is to compare the number that actually occurred to the number possible. Since bacteriological testing is



required monthly, the 2,771 water systems had a total of 30,148 chances to get an E. coli MCL violation. The 30 that actually occurred represent only one tenth of one percent of the number possible. While these acute violations can be serious, they are rare.

Some people, however, may be more vulnerable to water-borne illness than the general population. To educate the public on this issue, all community water systems were required to make their 2006 Consumer Confidence Report available to customers by July 1, 2007. Each report must include the following warning:

“Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA and CDC (national Centers for Disease Control and Prevention) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline at 1-800-426-4791.”

The Consumer Confidence Report provides detailed information about the specific community water system, while this report does

not. Much of this Annual Compliance Report contains statistics and summary information with listings of health-related and chronic monitoring violations. The majority of systems do not have violations and are therefore not listed in this report. The Consumer Confidence Report provides customers with information about their own drinking water and health. It includes specifics about their water system, including the source of drinking water and the levels of naturally occurring substances in drinking water. Usually these pose no health threat and are not violations. The report must list violations of state and federal requirements for that year.

Customers of larger water systems had an individual report mailed to them or saw it published in the local newspaper. The largest systems, those serving 100,000 people or more, must post their reports on the Internet. Smaller water systems may have posted the report in their office or a public building. Approximately 94 percent of the state's community water systems are complying with the require-

ment to produce and distribute Consumer Confidence Reports. Anyone can request a copy of their report from their public water system or by calling the department's Public Drinking Water Branch at 1-800-361-4827 or (573) 751-5331.

Compliance Activities: Preserving the Quality of Drinking Water

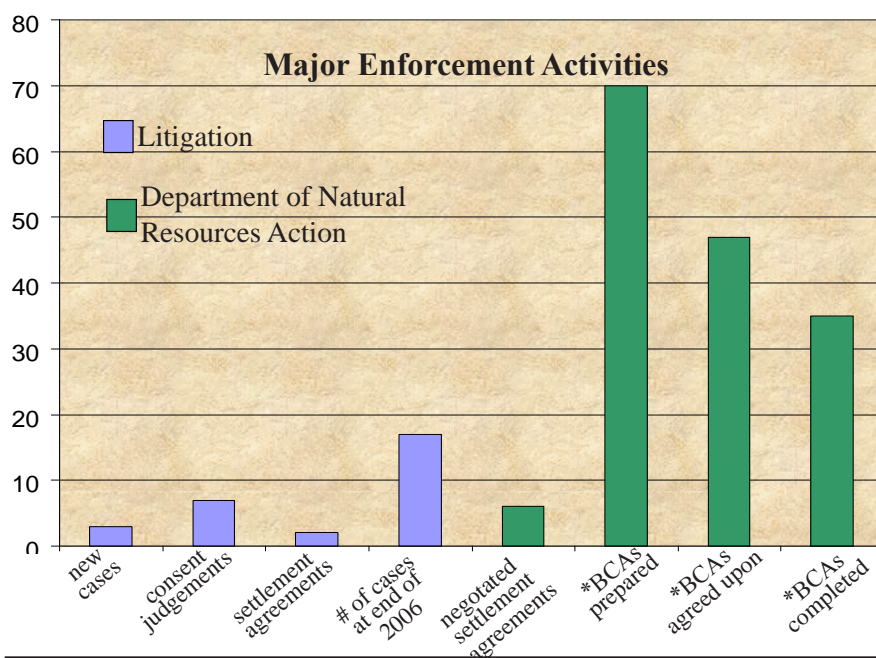
The department works closely with violators to return them to compliance in a timely manner. This includes phone contacts, on-site inspections, meetings with owners or operators and technical assistance as needed. For the more serious violations, a Bilateral Compliance Agreement between the water system owner and the department is the tool used to move the system back into compliance. Bilateral Compliance Agreements are written agreements negotiated between and signed by the system owner and department staff. This process allows the department to determine the improvements the water system needs to make without either party having to endure the time and cost of litigation.

If a water system violates a Bilateral Compliance Agreement, the department implements a negotiated settlement policy. Negotiated settlement agreements are more formal and enforceable than Bilateral Compliance Agreements and are reviewed and signed by staff from the Missouri Attorney General's Office. If the negotiated settlement agreement is unsuccessful, the department refers the case for legal action through the courts.

Public Drinking Water Branch staff work in conjunction with other agencies to protect public health. By serving on a committee with staff from the Department of Health and Senior Services, the two agencies identify ways to support and benefit each other's activities. One of those areas is enforcement activity against facilities, such as restaurants, that are regulated by both agencies.

The department established the Field Services Division in August 2005, reflecting a focus on improving local services and proactively helping communities and facilities understand and meet environmental regulations. Fundamental to this new approach has been the development of Environmental Assistance Visits. These visits are an effective tool to help regulated facilities, providing an informal and scheduled walk-through of their permit requirements. Environmental Assistance Visits also allow field staff the opportunity to work with facility operators on technical and administrative issues if necessary.

The department provides training and technical assistance in an effort to prevent the occurrence of violations. Training is routinely provided to operators and owners



of public water systems around the state, primarily concentrating on the basic principles of running a water system, performing the required monitoring and preventing contamination of the system. Technical assistance in the form of phone contacts and on-site visits is also available to help water system operators avoid or correct problems. Staff in the department's five regional and 18 satellite offices carry out most of these activities.

For all violations, public water systems are required to notify the consumers they serve. The department provides all public water systems with the necessary forms and information to effectively notify the public. The method of notification varies by the violation and system type. Systems must report back to the department how the public notice was performed. Some violations, such as the confirmed detection of fecal coliform bacteria or *E. coli*, warrant immediate action due to the threat to public health. For such acute violations, the department requires systems to notify customers within 24 hours to boil water before consumption. Boil water orders remain in effect until the problem has been corrected and the water is safe to consume.

For Further Information

Information about Missouri's public water systems can be obtained by writing to the Missouri Department of Natural Resources, Public Drinking Branch, Water Protection Program, P.O. Box 176, Jefferson City, MO 65102 or calling 1-800-361-4827 or (573) 751-5331. Information is also available on the department's Web site at www.dnr.mo.gov/env/wpp/dw-index.htm.

Summary of Violations Table

The following definitions apply to the Summary of Violations table.

Filtered Systems: Water systems that have installed filtration treatment [10 CSR 60-4.055].

Inorganic Contaminants: Non-carbon-based compounds such as metals, nitrates and asbestos. These contaminants are naturally occurring in some water, but can get into water through farming, chemical manufacturing and other human activities. The department has established MCLs for 17 inorganic contaminants. [10 CSR 60-4.030].

Lead and Copper Rule: This rule established national limits on lead and copper in drinking water [10 CSR 60-15.010]. Lead and copper corrosion pose various health risks when ingested at any level, and can enter drinking water from household pipes and plumbing fixtures. States report violations of the Lead and Copper Rule for the following six categories:

- Initial lead and copper tap monitoring and reporting: A violation where a system did not meet initial lead and copper testing requirements, or failed to report the results of those tests to the State.
- Follow-up or routine lead and copper tap monitoring and reporting: A violation where a system did not meet follow-up or routine lead and copper tap testing requirements, or failed to report the results.
- Treatment installation: Violations for failure to install optimal corrosion control

treatment system or source water treatment system that would reduce lead and copper levels in water at the tap. [One number is to be reported for the sum of violations in both categories].

- Lead service line replacement: A violation for a system's failure to replace lead service lines on the schedule required by the regulation.
- Public education: A violation where a system did not provide required public education about reducing or avoiding lead intake from water.

Maximum Contaminant Level (MCL): The highest amount of a contaminant allowed in drinking water. MCLs ensure drinking water does not pose a health risk. MCLs are defined in milligrams per liter (parts per million) unless otherwise specified.

Monitoring: The department specifies which water testing methods the water systems must use and sets schedules for the frequency of testing. A water system that does not follow the department's schedule or methodology is in violation [10 CSR 60-4.010].

States must report monitoring violations that are significant as determined by the EPA Administrator and in consultation with the States. For purposes of this report, significant monitoring violations are major violations and they occur when no samples are taken or no results are reported during a compliance period.

A major monitoring violation for the surface water treatment rule occurs when at least 90 percent of the

required samples are not taken or results are not reported during the compliance period.

Organic Contaminants: Carbon-based compounds, such as industrial solvents and pesticides. These contaminants generally get into water through runoff from cropland or discharge from factories. The Missouri Department of Natural Resources has set legal limits on 54 organic contaminants that are to be reported [10CSR 60-4.040 and 4.100].

Radionuclides: Radioactive particles, which can occur naturally in water or result from human activity. The Missouri Department of Natural Resources has set legal limits on five types of radionuclides: radium-226, radium-228, uranium, gross alpha and beta particle/photon radioactivity [10 CSR 60-4.060]. Violations for these contaminants are to be reported using the following four categories:

- Gross alpha: A violation for alpha radiation above MCL of 15 picocuries/liter. Gross alpha includes radium-226 but excludes radon and uranium.
- Combined radium-226 and radium-228: A violation for combined radiation from these two isotopes above MCL of five pCi/L.
- Uranium: A violation for Uranium above the MCL of 30 Micrograms/liter.
- Gross beta: A violation for beta particle and photon radioactivity from man-made radionuclides above four millicuries/year.

Surface Water Treatment Rule:

The surface water treatment rules (Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, Long Term 1 Enhanced Surface Water Treatment Rule) establish criteria under which water systems supplied by surface water sources, or groundwater sources under the direct influence of surface water, must filter and disinfect their water [10 CSR 60-4.055]. Violations of the surface water treatment rules are reported for the following categories:

- Monitoring, routine/repeat (for filtered systems): A violation for a system's failure to carry out required tests, or to report the results of those tests.
- Treatment techniques (for filtered systems): A violation for a system's failure to properly treat its water.

Total Coliform Rule (TCR): The Total Coliform Rule establishes regulations for microbiological contaminants in drinking water. These contaminants can cause a short-term health problem. If no samples are collected during the one-month compliance period, a significant monitoring violation occurs. States are to report four categories of violations:

- Acute MCL violation: A violation where the system found fecal coliform or E. Coli, potentially harmful bacteria, in its water, thereby violating the rule.
- Non-acute MCL violation: A violation where the system found total coliform in samples of its water at a frequency or at a level that violates the rule.

For systems collecting fewer than 40 samples per month, more than one positive sample for total coliform is a violation. For systems collecting 40 or more samples per month, more than 5 percent of the samples positive for total coliform violation.

- Major routine and follow-up monitoring: A violation where a system did not perform any monitoring. [One number is to be reported for the sum of the violations in these two categories.]
- Sanitary Survey: A major monitoring violation if a system fails to collect five routine monthly samples if sanitary survey is not performed.

Treatment Techniques: A water disinfection process that EPA requires instead of a MCL for contaminants that laboratories cannot adequately measure. Failure to meet other operational and system requirements under the Surface Water Treatment and the Lead and Copper Rules have also been included in this category of violation for purposes of this report.

Unfiltered Systems: Missouri has required filtration of all surface water sources for many years. There are no unfiltered surface systems in Missouri and therefore no violations in this category.

Violation: A failure to meet any state or federal drinking water regulation.

Organic Contaminants
Jan. 1, 2006 - Dec. 31, 2006

		MCL		Treatment Technique		Significant Monitoring/Reporting	
	MCL ¹ (mg/L)	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
Organic Contaminants				*			
1,1,1-Trichloroethane	0.2					6	6
1,1,2-Trichloroethane	0.005					6	6
1,1-Dichloroethylene	0.007					6	6
1,2,4-Trichlorobenzene	0.07					6	6
1,2-DBCP	0.0002						
1,2-Dichloroethane	0.005					6	6
1,2-Dichloropropane	0.005					6	6
2,3,7,8-TCDD (Dioxin)	3x10-8						
2,4,5-TP	0.05						
2,4-D	0.07						
Acrylamide							
Alachlor	0.002						
Atrazine	0.003	1	1				
Benzene	0.005					6	6
Benzo[a]pyrene	0.0002						
Carbofuran	0.04						
Carbon tetrachloride	0.005					6	6
Chlordane	0.002						
cis-1,2-Dichloroethylene	0.07					6	6
Dalapon	0.2						
Di(2-ethylhexyl)adipate	0.4						
Di(2-ethylhexyl)phthalate	0.006						
Dichloromethane	0.005					6	6
Dinoseb	0.007						
Diquat	0.02						
Endothall	0.1						
Endrin	0.002						
Epichlorohydrin							
Ethylbenzene	0.7					6	6
Ethylene dibromide	0.00005						
Glyphosate	0.7						
Heptachlor	0.0004						

¹ Values are in milligrams per liter (mg/L), unless otherwise specified

*Shaded areas indicate a violation is not applicable in this category

Organic Contaminants
Jan. 1, 2006 - Dec. 31, 2006

		MCL		Treatment Technique		Significant Monitoring/Reporting	
	MCL ¹ (mg/L)	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
Heptachlor epoxide	0.0002						
Hexachlorobenzene	0.001						
Hexachlorocyclopentadiene	0.05						
Lindane	0.0002						
Methoxychlor	0.04						
Monochlorobenzene	0.1					6	6
o-Dichlorobenzene	0.6					6	6
Oxamyl (Vydate)	0.2						
Para-Dichlorobenzene	0.075					6	6
Pentachlorophenol	0.001						
Picloram	0.5						
Simazine	0.004						
Styrene	0.1					6	6
Tetrachloroethylene	0.005					6	6
Toluene	1					6	6
Total PCB	0.0005						
Toxaphene	0.003						
Trans-1,2-Dichloroethylene	0.1					6	6
Trichloroethylene	0.005					6	6
Vinyl chloride	0.002					6	6
Xylenes (total)	10					6	6
Total trihalomethanes	0.80						
Haloacetic acids	0.60						
Disinfection byproducts		78	22	9	5		

¹ Values are in milligrams per liter (mg/L), unless otherwise specified

Inorganic Contaminants
Jan. 1, 2006 - Dec. 31, 2006

		MCL		Treatment Technique		Significant Monitoring/Reporting	
		Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
Inorganic Contaminants							
Antimony	0.006					6	6
Arsenic	0.05					6	6
Asbestos	7 million fibers/L						
Barium	2					6	6
Beryllium	0.004					6	6
Cadmium	0.005					6	6
Chromium	0.1					6	6
Cyanide (as free cyanide)	0.2					6	6
Fluoride	4.0	6	2			6	6
Mercury	0.002					6	6
Nitrate	10 (as nitrogen)						
Nitrite	1 (as nitrogen)						
Selenium	0.05					6	6
Thallium	0.002					6	6
Total nitrate and nitrite	10 (as nitrogen)					50	50

¹ Values are in milligrams per liter (mg/L), unless otherwise specified

Radiological Contaminants
Jan. 1, 2006 - Dec. 31, 2006

		MCL		Treatment Technique		Significant Monitoring/Reporting	
	MCL ¹ (pCi/L)	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
Radiological Contaminants							
Gross Alpha	15pCi/L	77	24			33	22
Radium-226 and radium-228	5 pCi/L	83	25			33	22
Gross beta	4 mrem/yr						
Subtotal		160	25 ²			66	22

Microbiological Contaminants
Jan. 1, 2006 - Dec. 31, 2006

		MCL		Treatment Technique		Significant Monitoring/Reporting	
	MCL Presence/Absence	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
Total Coliform Rule							
Acute MCL violation	Presence	30	28				
Non-acute MCL violation	Presence	392	269				
Major routine and follow up Monitoring						842	472
Sanitary survey ³							
Subtotal		422	269 ⁴			842	472

¹ Values are in Picocuries per liter (pCi/L), unless otherwise specified

² Some systems may have violations in multiple categories

³ Number of violations for failure to perform sanitary survey under the Total Coliform Rule.

⁴ All Systems with an acute MCL violation also had a non-acute monthly MCL violation for the same month

Surface Water Treatment Rule
Jan. 1, 2006 - Dec. 31, 2006

		MCL		Treatment Technique		Significant Monitoring/Reporting	
	MCL	Number of Violations	Number of Systems with Violation	Number of Violations	Number of Systems with Violation	Number of Violations	Number of Systems with Violation
Surface Water Treatment							
Filtered systems							
Monitoring, routine/repeat						0	0
Treatment techniques				7	5		
Unfiltered systems							
Monitoring, routine/repeat							
Failure to filter							
Subtotal				7	5	0	0

Lead and Copper Rule
Jan. 1, 2006 - Dec. 31, 2006

		MCL		Treatment Technique		Significant Monitoring/Reporting	
	MCL	Number of Violations	Number of Systems with Violation	Number of Violations	Number of Systems with Violation	Number of Violations	Number of Systems with Violation
Lead and Copper Rule ¹							
Initial lead and copper tap monitoring and reporting						27	27
Follow-up or routine lead and copper tap monitoring and reporting						99	99
Treatment installation				1	1		
Public education							
Subtotal				1	1	126	126

¹ Includes any system not up to date on lead and copper monitoring. Not comparable with Annual Compliance Report figures from 2005

Public Notification

Jan. 1, 2006 - Dec. 31, 2006

		MCL		Treatment Techniques		Significant Monitoring/ Reporting	
	MCL	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
Public notification						13	11
Consumer Confidence Reports ¹						85	85
Subtotal						85	85

¹ Violations for failure to produce and distribute the 2006 Consumer Confidence Report in 2007

Appendix A - MCL Violations

I. Coliform MCL Violations

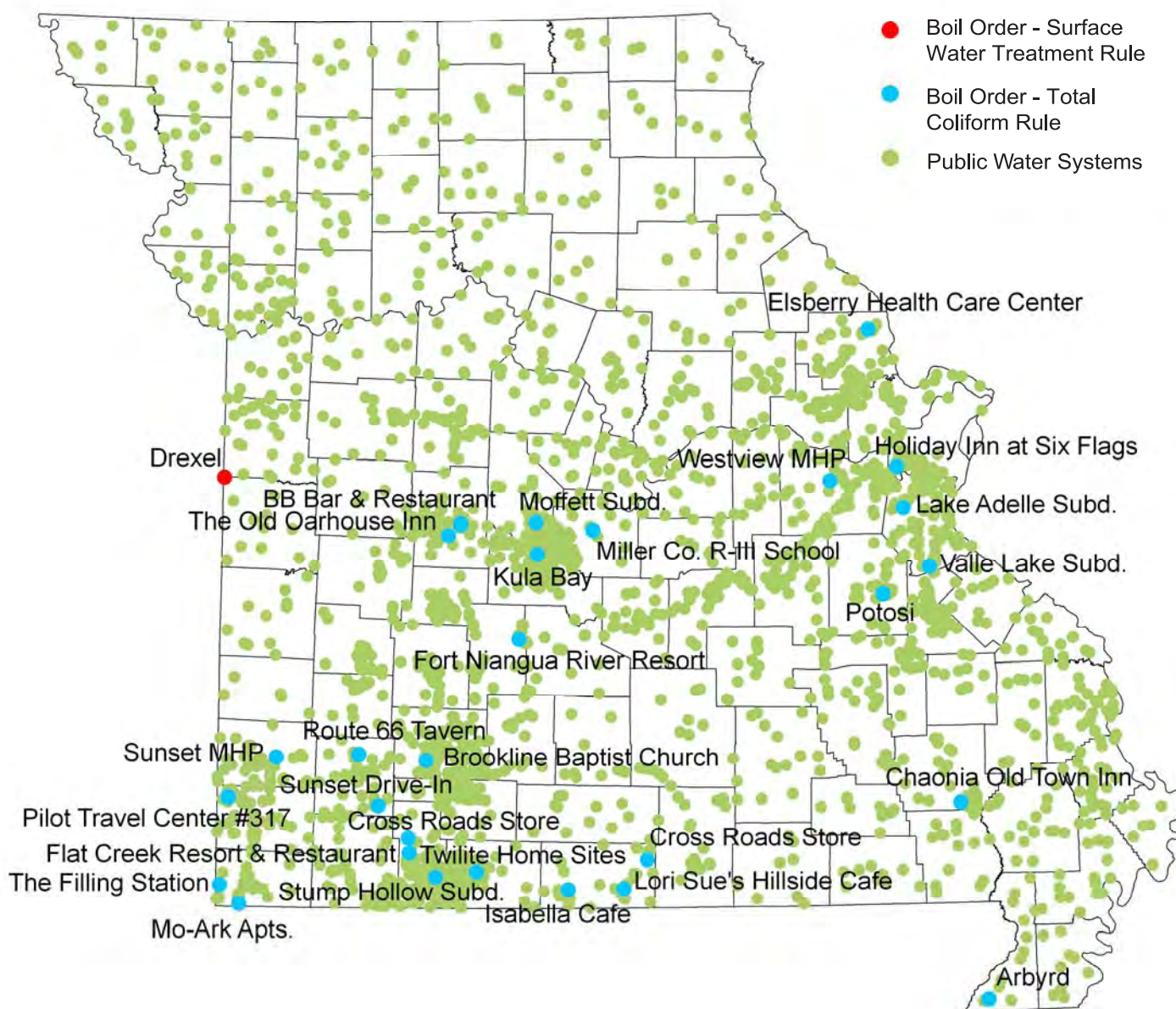
A. Acute

The following systems were under boil water orders due to acute MCL violations for fecal coliform or E. coli bacteria for the months listed. These acute violations also violate the standard for total coliform bacteria.

County	ID#	System Name	Month(s)	Issue	Rescind
Benton	MO3210256	BB Bar & Restaurant	July	8/4/2006	N/A
	MO3201440	The Old Oar House Inn	May	6/1/2006	6/7/2006
Camden	MO3198175	Captain Ron's	June	6/16/2006	7/14/2006
Dallas	MO5210063	Fort Niangua River Resort	June	7/10/2006	8/4/2006
Dunklin	MO4010022	Arbyrd	January	2/2/2006	2/10/2006
Franklin	MO6048272	Westview Mobile Home Park	March	3/17/2006	3/20/2006
Greene	MO5270364	Brookline Baptist Church	May	5/5/2006	5/10/2006
Jasper	MO5048021	Sunset MHP	August	8/24/2006	9/8/2006
Jefferson	MO6036077	Lake Adelle Subd	April	4/20/2006	4/22/2006
	MO6036083	Valle Lake Subd	May	5/23/2006	6/2/2006
Lawrence	MO5212358	Route 66 Tavern	June	6/8/2006	6/13/2006
	MO5280547	Sunset Drive-in	September	10/2/2006	10/6/2006
Lincoln	MO6069069	Elsberry Health Care Center	June	6/26/2006	7/8/2006
McDonald	MO5071444	Mo-ark Apartments	September	10/2/2006	10/6/2006
	MO5291271	The Filling Station	May	5/18/2006	5/31/2006
Miller	MO3171263	Miller Co R-III Schools	June	6/23/2006	8/14/2006
Morgan	MO5252728	Moffett Subdivision	July	7/31/2006	8/7/2006
Newton	MO5291140	Pilot Travel Center #317	November	11/27/200	11/30/2006
Ozark	MO5212755	Cross Roads Store	October	10/5/2006	10/11/2006
	MO5212630	Isabella Cafe	October	10/25/200	11/3/2006
	MO5212795	Lori Sues Hillside Cafe	October	11/9/2006	3/2/2007
	MO5212795	Lori Sues Hillside Cafe	November	11/9/2006	3/2/2007
St Louis	MO6190564	Holiday Inn at Six Flags	September	9/27/2006	10/5/2006
Stone	MO5292589	Cross Roads Store	June	6/30/2006	8/21/2006
	MO5191681	Flat Creek Resort	July	8/2/2006	8/4/2006
	MO5031449	Stump Hollow Subdivision	March	3/17/2006	4/7/2006
	MO5031449	Stump Hollow Subdivision	May	5/18/2006	7/6/2006
Taney	MO5031277	Twilite Home Sites	June	6/22/2006	6/30/2006
Washington	MO6010659	Potosi	August	8/4/2006	8/14/2006
Wayne	MO4211563	Chaonia Hotspot	November	11/16/2006	11/28/2006

2006 Boil Water Orders

Issued due to acute MCL violations of the Total Coliform Rule and the
Surface Water Treatment Rule



For current boil water orders, check the department's Web page at
www.dnr.mo.gov/wpscd/wpcp/boil/index.html

Appendix A - MCL Violations

I. Coliform MCL Violations

B. Non-acute

The following systems had two or more samples test positive for total coliform bacteria in the months indicated.

County	ID#	System Name	Month(s)
Barry	MO5010730	Seligman	November
	MO5031105	Needles Eye Beach	June
	MO5191334	Star Lodge Motel Inc.	November
	MO5210653	Golden Eagle Cafe	November
	MO5211855	American Legion Shell Knob Post #788	May
	MO5211855	American Legion Shell Knob Post #788	June
	MO5212349	Stars Dine In II	April
	MO5212453	Country Diner	September
	MO5212461	Eagle Rock Stations And Viking #354	May
	MO5212694	Raspberry Station	July
	MO5212694	Raspberry Station	August
	MO5212694	Raspberry Station	October
	MO5218163	The Steak Inn	November
	MO5252497	Eagle Point Property Owners Assn	December
	MO5272433	Noahs Ark Preschool	September
	MO5290661	Rapid Roberts #106	July
	MO5291633	Bob's One Stop	September
Benton	MO1041483	Heidi Hollow MHP/Wildcat Drive RV Park	May
	MO3010400	Ionia	July
	MO3036072	Lakeview Heights Subd	March
	MO3036072	Lakeview Heights Subd	April
	MO3036127	Sycamore Valley Subd	July
	MO3041361	Country Acres Mobile Home Park	July
	MO3190082	Lakeside Resort	July
	MO3190266	Rivers End Motel	May
	MO3201440	The Old Oar House Inn	May
	MO3210256	BB Bar & Restaurant	July
	MO3242534	Fairfield RV Park	July
	MO3291407	Hot Spot #1	November
Bollinger	MO4142183	Duck Creek Wildlife Area	March
	MO4142183	Duck Creek Wildlife Area	July
Butler	MO4048181	Camelot Estates MHP	October
	MO4191461	Millers Motor Lodge	April
	MO4191461	Millers Motor Lodge	July
Callaway	MO3010424	Kingdom City	September
	MO3010424	Kingdom City	October
Camden	MO3031333	Big Bear Estates	January

Appendix A - MCL Violations

I. Coliform MCL Violations

B. Non-acute

The following systems had two or more samples test positive for total coliform bacteria in the months indicated.

County	ID#	System Name	Month(s)
Camden	MO3031333	Big Bear Estates	February
	MO3031333	Big Bear Estates	September
	MO3031333	Big Bear Estates	November
	MO3190682	Alhonna Resort	October
	MO3191702	Econo Lodge	July
	MO3191748	Rippling Waters Resort	June
	MO3191999	Wilsons Resort	May
	MO3191999	Wilsons Resort	June
	MO3198084	Deepwater Inn	September
	MO3198088	Mickeyland Resort	July
	MO3198175	Captain Rons	June
	MO3212539	Stingray Marina	June
	MO3212554	Neighbors Landing	June
	MO3212580	The Storage Shed	September
	MO3218029	Cardinal Cove	August
	MO3238098	Wood Crest Condominiums	January
	MO3238098	Wood Crest Condominiums	May
	MO3238193	Sunrise Point	September
	MO3250972	Oak Point Subdivision	April
	MO3258245	Kings Plaza	September
	MO3292348	Mikeys Mini-mart	April
	MO3292426	Barrys Z-7 Mart	January
	MO3292426	Barrys Z-7 Mart	September
	MO3292426	Barrys Z-7 Mart	October
	MO3292553	Collins Country Corner	July
	MO3292553	Collins Country Corner	September
	MO5041393	Hickory Village	February
	MO5041393	Hickory Village	August
	MO5212681	Big E Smalls	March
	MO5212681	Big E Smalls	July
	MO5212764	Its 12:00 Somewhere	July
	MO5212764	Its 12:00 Somewhere	October
	MO5252708	Blue Cat Point	May
	MO5301390	Tuscany Condominiums	August
Cape	MO4024096	Cape-Perry Co PWSD #1 South	June
	MO4031453	Westlake Meadows Subdivision	December
Cass	MO1024117	Cass Co PWSD #5	March

Appendix A - MCL Violations

I. Coliform MCL Violations

B. Non-acute

The following systems had two or more samples test positive for total coliform bacteria in the months indicated.

County	ID#	System Name	Month(s)
Cedar	MO5010241	El Dorado Springs	September
	MO5031165	Friendship Hills Subd	September
	MO5036164	Stockton Hills Water Co	April
Chariton	MO2010778	Sumner	July
Christian	MO5010071	Billings	October
	MO5024133	Christian Co PWSD #1	July
	MO5024133	Christian Co PWSD #1	October
	MO5030826	Pinecrest Est Subd	July
	MO5030826	Pinecrest Est Subd	August
	MO5030826	Pinecrest Est Subd	September
	MO5030826	Pinecrest Est Subd	October
	MO5031330	Blue Stem Estates Subd	September
	MO5036305	Pippenville & Oak Park Owners Assn.	May
	MO5036305	Pippenville & Oak Park Owners Assn.	June
	MO5040637	Apple Valley Court MHP	October
	MO5048032	Twin Ridges Park Inc.	May
	MO5048032	Twin Ridges Park Inc.	September
	MO5102421	USFS-Cobb Ridge Rec Area	July
	MO5102421	USFS-Cobb Ridge Rec Area	September
	MO5258307	BC Fastop	April
Cole	MO3292542	Mertens Mini Mart #7	January
	MO3292542	Mertens Mini Mart #7	February
	MO3292565	Whoa & Go Food Shop	October
	MO3292565	Whoa & Go Food Shop	November
Cooper	MO3010642	Pilot Grove	August
Crawford	MO3241036	Garrisons Campground And Canoe Rental	September
	MO6010200	Cuba	November
Dade	MO5010331	Greenfield	September
Dallas	MO5010807	Urbana	July
	MO5210063	Fort Niangua River Resort	June
	MO5292476	Richardsons County Line	February
Dekalb	MO1010609	Osborn	September
Dent	MO4171151	Northwood Elem School	July
	MO4172690	New Harmony Baptist Church	June
Douglas	MO5072789	Cactus Canyon Campground	October
	MO5102201	USFS-Noblett Lake Recreation Area	May

Appendix A - MCL Violations

I. Coliform MCL Violations

B. Non-acute

The following systems had two or more samples test positive for total coliform bacteria in the months indicated.

County	ID#	System Name	Month(s)
Douglas	MO5282625	C - L Discount Grocery	June
	MO5282625	C - L Discount Grocery	August
	MO5292677	Big Ed's Little Country Store	July
Dunklin	MO4010022	Arbyrd	January
	MO4010417	Kennett	November
	MO4024207	Dunklin Co PWSD #2	January
Franklin	MO6024211	Franklin Co PWSD #1	July
	MO6024213	Franklin Co PWSD #3	July
	MO6024214	Franklin Co PWSD #4	November
	MO6031090	Laura Meadows Apartments	September
	MO6031090	Laura Meadows Apartments	October
	MO6036269	Woodland Hills Subd	June
	MO6048068	Avery Mobile Home Court	June
	MO6048201	Streamline MHP	August
	MO6048201	Streamline MHP	October
	MO6048272	Westview Mobile Home Park	March
	MO6192601	Cedar Creek Conference Center	August
	MO6242645	Camp Trinity	May
Gasconade	MO3191470	Lost Valley Lake Resort	September
	MO3191470	Lost Valley Lake Resort	October
	MO3191470	Lost Valley Lake Resort	November
	MO6010702	Rosebud	April
	MO6252212	Brown Shanty Lake Assn	January
Greene	MO5010768	Strafford	September
	MO5010860	Willard	September
	MO5031115	Greene Hills Water Assn	May
	MO5036109	Wadsworth Park Unit 4&5	June
	MO5036109	Wadsworth Park Unit 4&5	December
	MO5036241	Peace Of Mind Estates	June
	MO5036304	Pembroke Village Subd	July
	MO5036304	Pembroke Village Subd	August
	MO5036304	Pembroke Village Subd	September
	MO5171169	Logan-Rogersville Primary School	September
	MO5171169	Logan-Rogersville Primary School	November
	MO5171169	Logan-Rogersville Primary School	December
	MO5192051	Colonial Motor Lodge	December
	MO5258164	Crossroads Convenience Store	November

Appendix A - MCL Violations

I. Coliform MCL Violations

B. Non-acute

The following systems had two or more samples test positive for total coliform bacteria in the months indicated.

County	ID#	System Name	Month(s)
Greene	MO5258313	Superior Inc.	August
	MO5258313	Superior Inc.	October
	MO5258313	Superior Inc.	November
Hickory	MO5270364	Brookline Baptist Church	May
	MO5031456	Lindley Cove Well Assoc.	June
	MO5031456	Lindley Cove Well Assoc.	July
	MO5036203	Lake Forest Subdivision	May
	MO5210920	Hickory Ridge Hwy 83 Marina & Resort	July
	MO5252773	Starlight Lane Subdivision	July
	MO5252773	Starlight Lane Subdivision	August
	MO5252773	Starlight Lane Subdivision	December
	MO1011182	Big Lake, Village of	November
Holt	MO4010821	Viburnum	September
Jasper	MO5010004	Alba	June
	MO5010844	Webb City	June
	MO5048021	Sunset MHP	August
	MO5048210	Country Club MHP	July
	MO5170939	Sunshine Childrens Home	November
	MO5181370	PCS Phosphate Co. - Joplin	July
	MO5258080	Flyin W Convenience Store	June
	MO6030365	Lake Forest Properties	June
	MO6036077	Lake Adelle Subd	April
Jefferson	MO6036083	Valle Lake Subd	May
	MO6036148	Ware Lake Subd	May
	MO6036257	Paradise Valley Subd	September
	MO6180934	River Cement Company	June
	MO6180934	River Cement Company	July
	MO6240040	Camp Cedarledge	September
	MO1024310	Johnson Co PWSD #2	June
	MO1041099	Patricks	June
	MO1041099	Patricks	July
Johnson	MO1041099	Patricks	August
	MO1041228	M & M Mobil Home Park	April
	MO1041466	Hazel Hill MHP	September
	MO5010641	Pierce City	December
	MO5212358	Route 66 Tavern	June

Appendix A - MCL Violations

I. Coliform MCL Violations

B. Non-acute

The following systems had two or more samples test positive for total coliform bacteria in the months indicated.

County	ID#	System Name	Month(s)
Lawrence	MO5231809	Three V Corporation	June
	MO5280547	Sunset Drive-in	September
Lincoln	MO6040116	Crest View Mobile Court	February
	MO6069069	Elsberry Health Care Center	June
Linn	MO2010512	Meadville	May
Madison	MO4240036	Blue Mountain United Methodist Camp	June
	MO4240671	Pinecrest Camp	January
Maries	MO3031246	Martin Subdivision	July
	MO3031246	Martin Subdivision	August
	MO3031246	Martin Subdivision	November
	MO3031246	Martin Subdivision	December
McDonald	MO5071444	Mo-Ark Apartments	May
	MO5071444	Mo-Ark Apartments	September
	MO5291271	The Filling Station	May
	MO5291271	The Filling Station	September
Miller	MO3010441	Lake Ozark	July
	MO3010441	Lake Ozark	September
	MO3010441	Lake Ozark	November
	MO3010709	St. Elizabeth	September
	MO3079537	Osage Ridge Apts	July
	MO3079537	Osage Ridge Apts	September
	MO3079537	Osage Ridge Apts	October
	MO3171263	Miller Co R-III Schools	June
	MO3210828	The Hut	August
	MO3240814	North Shore RV Park And Campground	June
	MO5031430	Sunset MHP	July
	MO5031430	Sunset MHP	September
Montgomery	MO3011121	Rhineland	September
	MO3281053	Loutre Shore Country Club	May
	MO3281053	Loutre Shore Country Club	September
	MO3291410	Danville Citgo	October
	MO6241534	Lazy Day Campground	June
Morgan	MO3024413	Laurie Water Department	September
	MO3031358	Ivy Bend Water Association	April
	MO3031358	Ivy Bend Water Association	May
	MO3031358	Ivy Bend Water Association	August

Appendix A - MCL Violations

I. Coliform MCL Violations

B. Non-acute

The following systems had two or more samples test positive for total coliform bacteria in the months indicated.

County	ID#	System Name	Month(s)
Morgan	MO3041171	Zwanzig MHP	May
	MO3190841	Village Of Gentle Slopes	May
	MO3252169	Lucky Point	July
	MO3252169	Lucky Point	September
	MO5031454	Bendco Cove	August
	MO5031454	Bendco Cove	October
	MO5202702	Mallard Bay	August
	MO5252728	Moffett Subdivision	June
	MO5252728	Moffett Subdivision	July
	MO5272642	Opened Door Christian Community	April
New Madrid	MO4010570	New Madrid	December
Newton	MO5010678	Redings Mill	August
	MO5010760	Stella	December
	MO5048346	Park Place - Neosho MHP	July
	MO5182750	Heritage Oak Flooring	October
	MO5291140	Pilot Travel Center #317	October
	MO5291140	Pilot Travel Center #317	November
Oregon	MO4010012	Alton	June
Osage	MO3024441	Osage Co PWSD #2-south	December
Ozark	MO5100022	USFS-north Fork Recreation Area	August
	MO5212630	Isabella Cafe	October
	MO5212725	Cedar Cafe & Cedar Haven Park Inc	August
	MO5212725	Cedar Cafe & Cedar Haven Park Inc	September
	MO5212755	Cross Roads Store	May
	MO5212755	Cross Roads Store	July
	MO5212755	Cross Roads Store	October
	MO5212795	Lori Sues Hillside Cafe	October
	MO5212795	Lori Sues Hillside Cafe	November
	MO5212795	Lori Sues Hillside Cafe	December
	MO5232259	Cloud 9 Ranch Club Inc	April
	MO5242741	Riverside Canoe Rental	June
Pemiscot	MO4024448	Pemiscot Co Con PWSD #1	September
Pettis	MO1061484	Show-me Christian Youth Home	September
	MO3172256	Aunt Marthas Preschool & Day Care	June
	MO3218188	Temp Stop	February
	MO3218188	Temp Stop	March

Appendix A - MCL Violations

I. Coliform MCL Violations

B. Non-acute

The following systems had two or more samples test positive for total coliform bacteria in the months indicated.

County	ID#	System Name	Month(s)
Pettis	MO3218188	Temp Stop	July
	MO3218188	Temp Stop	August
	MO3218188	Temp Stop	September
	MO3218188	Temp Stop	October
Phelps	MO3010887	Newburg	May
	MO3031211	Sugar Tree Club	August
	MO3031211	Sugar Tree Club	November
	MO3031211	Sugar Tree Club	December
	MO3048132	Scenic View MHP	July
	MO3069013	Boys And Girls Town Of Missouri Inc	July
	MO3212546	Zenos Motel & Steakhouse	September
	MO4212742	Cookin From Scratch	July
Polk	MO5010903	Flemington	July
	MO5031210	Silo Ridge Country Club LLC	November
	MO5248066	Camp Wakahni	October
	MO5258125	Littons One Stop	August
Pulaski	MO3010196	Crocker	June
	MO3010196	Crocker	September
	MO3010196	Crocker	October
	MO3010219	Dixon	July
	MO3010720	St Robert	January
	MO3010720	St Robert	June
	MO3010720	St Robert	August
	MO3172556	Heavens View, Inc.	April
	MO3172556	Heavens View, Inc.	May
	MO3172556	Heavens View, Inc.	November
	MO3202484	Oak Hills Country Club	May
Reynolds	MO4240177	Sherwood Forest Camp	September
Ripley	MO4024521	Ripley Co PWSD #1 - East	July
	MO4024521	Ripley Co PWSD #1 - East	August
	MO4024521	Ripley Co PWSD #1 - East	December
Saline	MO2010029	Arrow Rock	August
	MO2010029	Arrow Rock	September
Scott	MO4010814	Vanduser	June
St. Charles	MO6240106	Cherokee Lakes Camp	March
St. Francois	MO4041272	The Oaks At Valles Mines	August
	MO4041308	Walnut Grove MHP	December

Appendix A - MCL Violations

I. Coliform MCL Violations

B. Non-acute

The following systems had two or more samples test positive for total coliform bacteria in the months indicated.

County	ID#	System Name	Month(s)
St. Francois	MO4069082	L & J Boarding Home	April
	MO4212391	Vikings USA Bootheel 310	October
	MO4218516	Moore's Farm	October
St. Louis	MO6031185	Pevely Farm Inc	July
	MO6190564	Holiday Inn at Six Flags	June
	MO6190564	Holiday Inn Aa Six Flags	September
Ste Genevieve	MO4010718	St. Marys	September
	MO4036146	Lake Forest Estates	February
Stone	MO5010679	Reeds Spring	October
	MO5031391	Baxter Pointe	June
	MO5031446	Country Meadows Subdivision	April
	MO5031449	Stump Hollow Subdivision	March
	MO5031449	Stump Hollow Subdivision	May
	MO5031449	Stump Hollow Subdivision	June
	MO5190988	Double Oak Resort	April
	MO5191312	Calm Waters Resort	December
	MO5191681	Flat Creek Resort	July
	MO5191920	Edgewater Villa Resort	May
	MO5191964	Lynn/ White Oak	March
	MO5202777	Tall Timber Lumberjack Show	October
	MO5212757	Vacation Lane Resort	July
	MO5240219	Blue Mountain Campground	September
	MO5258122	Sportsmans One Stop	August
	MO5258123	Aunts Creek RV Park & Store	June
	MO5258136	Pizza World	April
	MO5282522	Summer Fresh Supermarket	May
	MO5292589	Cross Roads Store	June
Taney	MO5024602	Taney Co PWSD #3	May
	MO5024602	Taney Co PWSD #3	June
	MO5024602	Taney Co PWSD #3	October
	MO5031223	Branson Creek Development LLC	June
	MO5031223	Branson Creek Development LLC	July
	MO5031223	Branson Creek Development LLC	September
	MO5031223	Branson Creek Development LLC	October
	MO5031223	Branson Creek Development LLC	November
	MO5031277	Twilite Home Sites	June

Appendix A - MCL Violations

I. Coliform MCL Violations

B. Non-acute

The following systems had two or more samples test positive for total coliform bacteria in the months indicated.

County	ID#	System Name	Month(s)
Taney	MO5031277	Twilite Home Sites	July
	MO5031437	Sycamore Ridge Subdivision	November
	MO5031437	Sycamore Ridge Subdivision	December
	MO5036275	Persimmon Ridge Home Owners Assn	May
	MO5036275	Persimmon Ridge Home Owners Assn	October
	MO5171231	Bradleyville R-I School	October
	MO5171231	Bradleyville R-I School	November
	MO5211164	Crocs Place	March
	MO5211164	Crocs Place	April
	MO5212699	The Dinner Bell	October
	MO5282768	Branson Log Homes	September
	MO5292494	Wild Bills Travel Center	May
	MO5292590	Gateway To Branson	August
	MO5292590	Gateway To Branson	September
	MO5292590	Gateway To Branson	December
Texas	MO4010382	Houston	December
	MO4024607	Texas Co PWSD #2	September
	MO4218523	Midwest Truck Stop	August
	MO4218523	Midwest Truck Stop	September
Vernon	MO5010725	Schell City	June
Warren	MO6030922	Valley Lake Estates	September
	MO6036189	Cedar Grove Village Subd	May
	MO6036189	Cedar Grove Village Subd	June
	MO6036189	Cedar Grove Village Subd	July
	MO6180571	Warco Manufacturing Co	July
	MO6180571	Warco Manufacturing Co	August
Washington	MO4010003	Caledonia	July
	MO4036318	Rogue Creek Utilities	July
	MO4040230	Harper Valley Trailer Park	July
	MO4040230	Harper Valley Trailer Park	August
	MO4218520	Country Cafe	August
	MO4228500	Bates Creek Baptist Camp	June
	MO4292724	Pacos C-Store	June
	MO4292724	Pacos C-Store	August
	MO6010659	Potosi	February
	MO6010659	Potosi	April
	MO6010659	Potosi	August

Appendix A - MCL Violations

I. Coliform MCL Violations

B. Non-acute

The following systems had two or more samples test positive for total coliform bacteria in the months indicated.

County	ID#	System Name	Month(s)
Washington	MO6010659	Potosi	October
	MO6010659	Potosi	November
	MO6010659	Potosi	December
	MO6069096	Potosi - East	August
	MO6171280	Valley R-VI Senior High School	March
	MO6171280	Valley R-VI Senior High School	April
Wayne	MO4211563	Chaonia Hotspot	October
	MO4211563	Chaonia Hotspot	November
	MO4211563	Chaonia Hotspot	December
	MO4241707	Camp Cherokee Ridge	June
	MO4241707	Camp Cherokee Ridge	July
	MO4241707	Camp Cherokee Ridge	September
	MO4241707	Camp Cherokee Ridge	December
	MO4241970	Camp Semo Wappapello	September
	MO4241970	Camp Semo Wappapello	November
Webster	MO5010734	Seymour	July
	MO5048282	Gaslight Village MHP	October
	MO5071459	M & L Properties	January
	MO5071459	M & L Properties	February
	MO5071459	M & L Properties	March
	MO5281419	Crosscut Home Center	July
	MO5281419	Crosscut Home Center	August
Worth	MO1010739	Sheridan	October
Wright	MO5010351	Hartville	August
	MO5010351	Hartville	October
	MO5010550	Mountain Grove	March
	MO5010550	Mountain Grove	August
	MO5010550	Mountain Grove	October
	MO5218312	Club 60	October

Appendix A - MCL Violations

II. Chemical MCL Violations

County	ID#	System Name	Chemical
Andrew	MO1010757	Rosendale	Total Haloacetic Acids (HAA5)
Bates	MO1010682	Rich Hill	Total Trihalomethanes (TTHM)
Cass	MO1010024	Archie	Total Haloacetic Acids (HAA5)
	MO1010024	Archie	Total Trihalomethanes (TTHM)
	MO1010193	Creighton	Total Haloacetic Acids (HAA5)
	MO1010193	Creighton	Total Trihalomethanes (TTHM)
	MO1010225	Drexel	Total Trihalomethanes (TTHM)
	MO1010301	Garden City	Total Trihalomethanes (TTHM)
Clark	MO2010875	Wyaconda	Atrazine
Clinton	MO1010648	Plattsburg	Total Haloacetic Acids (HAA5)
Cooper	MO3010089	Boonville	Total Trihalomethanes (TTHM)
Daviess	MO1010406	Jamesport	Total Trihalomethanes (TTHM)
	MO1036130	Daviess Co PWSD #3	Total Haloacetic Acids (HAA5)
	MO1036130	Daviess Co PWSD #3	Total Trihalomethanes (TTHM)
Dekalb	MO1010510	Maysville	Total Trihalomethanes (TTHM)
Gentry	MO1070639	Middle Fork Water Co	Total Haloacetic Acids (HAA5)
	MO1070639	Middle Fork Water Co	Total Trihalomethanes (TTHM)
Harrison	MO1010068	Bethany	Total Haloacetic Acids (HAA5)
	MO1024241	Harrison Co PWSD #1	Total Haloacetic Acids (HAA5)
	MO1024241	Harrison Co PWSD #1	Total Trihalomethanes (TTHM)
	MO1024242	Harrison Co PWSD #2	Total Trihalomethanes (TTHM)
Howard	MO2010028	Armstrong	Total Haloacetic Acids (HAA5)
	MO2010028	Armstrong	Total Trihalomethanes (TTHM)
Iron	MO4010402	Ironton	Total Trihalomethanes (TTHM)
	MO4010402	Ironton	Total Haloacetic Acids (HAA5)
Lafayette	MO1010464	Lexington - US Water Co	Total Trihalomethanes (TTHM)
Lincoln	MO6024340	Lincoln Co PWSD #1	Fluoride
	MO6031217	Timber Ridge Estates	Fluoride
Linn	MO2010105	Brookfield	Total Haloacetic Acids (HAA5)
	MO2010105	Brookfield	Total Trihalomethanes (TTHM)
	MO2010112	Bucklin	Total Haloacetic Acids (HAA5)
Montgomery	MO6010848	Wellsville	Total Haloacetic Acids (HAA5)
	MO6010848	Wellsville	Total Trihalomethanes (TTHM)
Scotland	MO2010513	Memphis	Total Trihalomethanes (TTHM)

Appendix A - MCL Violations
III. Radiological MCL Violations

County	ID#	System Name	Violation
Boone	MO3010694	Rocheport	Gross Alpha, Including RA, Excluding RN & U
	MO3010694	Rocheport	Radium, Combined (226, 228)
	MO3024058	Boone Co PWSD #9	Gross Alpha, Including RA, Excluding RN & U
	MO3024058	Boone Co PWSD #9	Radium, Combined (226, 228)
Callaway	MO3048994	New Christian Life Fellowship	Gross Alpha, Including RA, Excluding RN & U
	MO3048994	New Christian Life Fellowship	Radium, Combined (226, 228)
Cape Girardeau	MO4031453	Westlake Meadows Subd	Radium, Combined (226, 228)
	MO4031453	Westlake Meadows Subd	Gross Alpha, Including RA, Excluding RN & U
Iron	MO4069040	Bellevue Valley Nursing Hm	Radium, Combined (226, 228)
	MO4069040	Bellevue Valley Nursing Hm	Gross Alpha, Including RA, Excluding RN & U
Lincoln	MO6024340	Lincoln Co PWSD #1	Gross Alpha, Including RA, Excluding RN & U
	MO6024340	Lincoln Co PWSD #1	Radium, Combined (226, 228)
	MO6031193	Tara Valley Water Assn	Gross Alpha, Including RA, Excluding RN & U
	MO6031193	Tara Valley Water Assn	Radium, Combined (226, 228)
	MO6041073	Charwood Estates	Radium, Combined (226, 228)
	MO6041073	Charwood Estates	Gross Alpha, Including RA, Excluding RN & U
	MO6041076	Cedar Ridge Estates	Gross Alpha, Including RA, Excluding RN & U
	MO6041076	Cedar Ridge Estates	Radium, Combined (226, 228)
	MO6041229	Autumn Hills MHP	Radium, Combined (226, 228)
	MO6041229	Autumn Hills MHP	Gross Alpha, Including RA, Excluding RN & U
McDonald	MO5010449	Lanagan	Gross Alpha, Including RA, Excluding RN & U
	MO5010449	Lanagan	Radium, Combined (226, 228)
	MO5021168	Mc Donald Co PWSD #3	Gross Alpha, Including RA, Excluding RN & U
	MO5021168	Mc Donald Co PWSD #3	Radium, Combined (226, 228)
Montgomery	MO6010521	Middletown	Radium, Combined (226, 228)
	MO6010521	Middletown	Gross Alpha, Including RA, Excluding RN & U
St. Charles	MO6030484	Country Estates	Gross Alpha, Including RA, Excluding RN & U
	MO6030484	Country Estates	Radium, Combined (226, 228)
St. Francois	MO4010087	Bonne Terre	Radium, Combined (226, 228)
	MO4010087	Bonne Terre	Gross Alpha, Including RA, Excluding RN & U
	MO4010270	Farmington	Radium, Combined (226, 228)
	MO4010270	Farmington	Gross Alpha, Including RA, Excluding RN & U
	MO4010279	Park Hills	Gross Alpha, Including RA, Excluding RN & U
	MO4010279	Park Hills	Radium, Combined (226, 228)
	MO4031206	Hunters Ridge Subd	Gross Alpha, Including RA, Excluding RN & U
	MO4031206	Hunters Ridge Subd	Radium, Combined (226, 228)

Appendix A – MCL Violations

IV. Surface Water MCL Violations

The following systems violated the Surface Water Rule, Treatment Technique for Turbidity or other surface water requirements in the months or annual period indicated

County	ID#	System	Period	Violation
Cass	MO1010193	Creighton		Inadequate DBP Precursor Removal
	MO1010225	Drexel ¹	April	Combined Filter Effluent Turbidity
Harrison	MO1024241	Harrison Co PWSD #1		Inadequate DBP Precursor Removal
	MO1024241	Harrison Co PWSD #1		Inadequate DBP Precursor Removal
Howard	MO2010028	Armstrong	March	Combined Filter Effluent Turbidity
	MO2010028	Armstrong	February	Combined Filter Effluent Turbidity
	MO2010028	Armstrong	January	Combined Filter Effluent Turbidity
Jackson	MO1010921	Unity Village		Inadequate DBP Precursor Removal
	MO1010921	Unity Village		Inadequate DBP Precursor Removal
	MO1010921	Unity Village		Inadequate DBP Precursor Removal
Jefferson	MO6182217	Ameren U.E.- Rush Island	January	Combined Filter Effluent Turbidity
Johnson	MO1010371	Holden		Inadequate DBP Precursor Removal
	MO1010371	Holden		Inadequate DBP Precursor Removal
Montgomery	MO6010848	Wellsville		Inadequate DBP Precursor Removal
Pike	MO2010169	Clarksville	June	Combined Filter Effluent Turbidity

¹ System was under boil water order from April 27 to May 3, 2006.

Appendix B

I. Chronic Major Monitoring Violations

The following systems had three or more major violations of the Total Coliform Rule in 2006 and were listed in news releases for chronic monitoring violations.

County	System Name	ID#	Month(s)
Barry	Star Lodge Motel Inc	MO5191334	March
			April
			May
			June
			July
			August
			September
			October
	Stars Dine In II	MO5212349	May
			June
			September
			October
			November
Benton	RJ Country Store LLC	MO3292541	January
			July
			October
	Roadhouse Resort & Marina	MO3210552	January
			April
			July
			September
			November
	Sun Valley Subdivision	MO3031366	January
			February
			March
			April
			May
			June
			July
			August
			September
			October
			November
			December
Camden	Bambooze	MO5212617	April
			May
			June
			July
			August

Appendix B
I. Chronic Major Monitoring Violations

County	System Name	ID#	Month(s)
Camden	Bambooze	MO5212617	September
			November
	Halfway Inn	MO3212416	March
			July
			October
	Knockers	MO3282315	March
			April
			October
			November
	Linn Creek Campground	MO3248177	December
			April
			May
			June
	Little Willies Cafe	MO3212614	April
			May
			September
			October
			November
			December
	Mariners Pier 31	MO3212445	May
			June
			August
			October
	Stingray Marina	MO3212539	July
			August
			September
			October
	The Hill	MO3258016	January
			February
			March
Cedar	Orleans Trail Resort	MO5190095	January
			March
			November
			December
Douglas	Fraternal Order Of Eagle #3748	MO5218158	January
			February
			May
			September
			October

Appendix B
I. Chronic Major Monitoring Violations

County	System Name	ID#	Month(s)
Franklin	Charmwood Subdivision	MO6030106	January
			February
			March
			April
			May
			June
			July
			October
			November
Greene	Virgils Bar & Self Storage	MO5212683	July
			August
			September
			October
			November
Jasper	Double Diamond Fuel Mart	MO5211363	April
			July
			September
	The Hitchin Post	MO5212510	July
			August
			November
Jefferson	The Market Inc.	MO6292449	March
			May
			August
			September
Johnson	Hazel Hill MHP	MO1041466	January
			February
			March
			April
			May
			June
			July
			August
			December
Laclede	Sign Fab Inc	MO5282611	May
			June
			July
			September
			October
Lawrence	Youngberg Estates MHP	MO5041314	January

Appendix B
I. Chronic Major Monitoring Violations

County	System Name	ID#	Month(s)
Lawrence	Youngberg Estates MHP	MO5041314	February
			March
			April
			May
			June
			July
			August
			September
			November
			December
Lincoln	Family Child Care Center	MO6272640	June
			September
			November
			December
McDonald	Ganns One Stop	MO5292748	February
			March
			April
			June
			October
Miller	Village Marina	MO3231730	April
			May
			June
			September
			November
			December
Mississippi	Merryweather Meadows	MO4048066	April
			September
			December
Moniteau	Moniteau Co PWSD #2	MO3024396	January
			April
			June
			July
			September
Morgan	Painted Pony	MO3211305	March
			August
			December
	Smoked On The Water	MO3212568	April
			June
			August
			September

Appendix B
I. Chronic Major Monitoring Violations

County	System Name	ID#	Month(s)
Morgan	Smoked on the Water	MO3212568	October
	The Dummy Restaurant And Bar	MO3218211	April
			June
			July
			August
			September
	Time Out Sports Bar And Grill	MO3210066	May
			July
			August
			September
	Uncle Sams Ice Cream & Deli	MO3212560	May
			July
			September
Ozark	Dora General Store	MO5292331	April
			June
			October
	Rainbow Trout & Game Ranch	MO5201082	July
			September
			November
Pettis	Meadowlark Acres MHP	MO3048289	January
			August
			September
Polk	Littons One Stop	MO5258125	April
			October
			November
	Roadside Cafe	MO5211672	May
			July
			September
	Valley View Acres	MO5041146	March
			May
			September
			October
			December
St Clair	Old Plantation Motel	MO5212121	June
			August
			September
			December
St Louis	Crescent Farms Golf Club	MO6200549	February
			April

Appendix B
I. Chronic Major Monitoring Violations

County	System Name	ID#	Month(s)
St. Louis	Crescent Farms Golf Club	MO6200549	May
			August
			September
	Pevely Farm Golf Club	MO6202335	April
			May
			June
Ste Genevieve	Lake Seven Falls Subd	MO4256181	March
			April
			May
Stone	Deer Run Store & Campground	MO5190611	May
			June
			August
	Pizza World	MO5258136	February
			October
			November
	Starlight Village	MO5030473	January
			April
			May
			June
			October
			December
	Starrlite Village, 4th Addition	MO5258070	January
			February
			October
			November
	Stormy Point Cmpgrnd & Resort	MO5240128	August
			September
			October
	Turner Estates Subd	MO5036312	January
			June
			September
			November
Taney	Bridgewood Country Club	MO5201985	April
			May
			June
			August
			September
			October
			November
Washington	Bri-Co Inc	MO4258547	May

Appendix B
I. Chronic Major Monitoring Violations

County	System Name	ID#	Month(s)
Washington	Bri-Co Inc	MO4258547	June
			September
	L & M Mobile Home Park	MO4041275	June
			September
			November
Webster	Country Quick Stop Inc	MO5292475	January
			February
			July
			December
	Hannahs General Store	MO5290233	May
			June
			November
	Tinys Steak Ranch Inc	MO5210234	March
			April
			May
Wright	Manes Restaurant	MO5212760	April
			May
			June
			July
			August
			September

Appendix C

1. Major Repeat Monitoring Violations

The following systems had major repeat monitoring violations for the months listed. A major repeat monitoring violation occurs when a routine sample tests positive for total coliform bacteria and that system fails to submit any follow-up, or repeat, samples as required.

County	ID#	System Name	Month(s)
Barry	MO5212349	Stars Dine In II	March
	MO5212461	Eagle Rock Stations And Viking #354	June
Benton	MO3210326	Hilltop Bar-B-Q	April
Camden	MO3198175	Captain Rons	May
	MO3212447	Jessies Place	February
	MO3212447	Jessies Place	December
Chariton	MO2010420	Keytesville	June
Christian	MO5102421	USFS-Cobb Ridge Rec Area	October
Franklin	MO6031090	Laura Meadows Apartments	June
Hickory	MO5212772	Beckys 254 Cafe	November
	MO5252773	Starlight Lane Subdivision	October
Jefferson	MO6036077	Lake Adelle Subd	July
	MO6048048	Country Aire Estates	July
	MO6048258	Stone Mill Creek	July
	MO6048258	Stone Mill Creek	May
Lawrence	MO5048020	Vaughn Trailer Park	January
Lincoln	MO6010866	Winfield	August
McDonald	MO5292748	Ganns One Stop	May
Miller	MO3048277	Palace Lane Estates	July
	MO3190802	Edgewater Beach Resort And Marina	May
	MO3190811	Shady Oaks Resort	June
	MO5031430	Sunset Mhp	April
Montgomery	MO3281053	Loutre Shore Country Club	August
	MO3281053	Loutre Shore Country Club	July
Morgan	MO5192693	Aqua Vitae Estates	July
	MO5202702	Mallard Bay	September
Polk	MO5041146	Valley View Acres	February
Pulaski	MO3211505	The Point Steakhouse	October
St Louis	MO6200549	Crescent Farms Golf Club	October
Stone	MO5190988	Double Oak Resort	May
	MO5240839	Lakeview Campground LLC	May
Taney	MO5211978	Hitch-n-post General Store	June
Warren	MO6030922	Valley Lake Estates	July
Webster	MO5041344	Reddy Hill Mhp	March
	MO5281419	Crosscut Home Center	May

Appendix D

Significant Non-Compliers

The following systems have been deemed Significant Non-Compliers for 2006. These are the systems with serious violations that potentially affect public health or with multiple monitoring violations.

County	ID#	System Name	Regulation(s) Violated
Andrew	MO1010757	Rosendale	Stage 1 DBP Rule
Barry	MO5071306	Dell Apartments	Consumer Confidence Report
Barry	MO5191334	Star Lodge Motel Inc	Total Coliform Rule
Barry	MO5212349	Stars Dine In II	Total Coliform Rule
Benton	MO3031366	Sun Valley Subdivision	Total Coliform Rule
Benton	MO3031366	Sun Valley Subdivision	Consumer Confidence Report
Benton	MO3262156	Hidden Valley MHP	Consumer Confidence Report
Boone	MO2041463	Sycamore Hills Subdivision	Lead and Copper Rule
Camden	MO3024090	Camden Co PWSD #1	Consumer Confidence Report
Camden	MO3031333	Big Bear Estates	Total Coliform Rule
Camden	MO3036103	Blackhawk Estates	Consumer Confidence Report
Camden	MO3048141	Southway Terrace MHP	Consumer Confidence Report
Camden	MO3212614	Little Willies Cafe	Total Coliform Rule
Camden	MO3248208	Niangua Properties LLC	Consumer Confidence Report
Camden	MO5031401	Watkins Subdivision	Lead and Copper Rule
Camden	MO5212617	Bambooze	Total Coliform Rule
Camden	MO5212764	Its 12:00 Somewhere	Total Coliform Rule
Cass	MO1010024	Archie	Stage 1 DBP Rule
Cass	MO1010193	Creighton	Stage 1 DBP Rule
Cass	MO1010225	Drexel	Stage 1 DBP Rule
Chariton	MO2010703	Chariton-Linn Co PWSD#3-Rothville	Consumer Confidence Report
Christian	MO5030826	Pinecrest Est Subd	Total Coliform Rule
Clinton	MO1010648	Plattsburg	Stage 1 DBP Rule
Daviess	MO1010406	Jamesport	Stage 1 DBP Rule
Daviess	MO1036130	Daviess Co PWSD #3	Stage 1 DBP Rule
Dekalb	MO1010510	Maysville	Stage 1 DBP Rule
Dekalb	MO1010802	Union Star	Consumer Confidence Report
Franklin	MO6030106	Charmwood Subdivision	Total Coliform Rule
Franklin	MO6048106	Circle C Mobile Home Park	Consumer Confidence Report
Franklin	MO6048238	Kobers MHP	Consumer Confidence Report
Gasconade	MO6252212	Brown Shanty Lake Assn	Consumer Confidence Report
Gentry	MO1070639	Middle Fork Water Co	Stage 1 DBP Rule
Greene	MO5036119	Valley Park Subd	Consumer Confidence Report
Harrison	MO1010068	Bethany	Stage 1 DBP Rule
Harrison	MO1024241	Harrison Co PWSD #1	Stage 1 DBP Rule
Henry	MO1010865	Windsor	Consumer Confidence Report

Appendix D

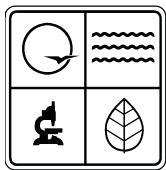
Significant Non-Compliers

County	ID#	System Name	Regulation(s) Violated
Hickory	MO5251522	Bohanna Heights Subdivision	Lead and Copper Rule
Hickory	MO5252773	Starlight Lane Subdivision	Total Coliform Rule
Howard	MO2010028	Armstrong	Stage 1 DBP Rule
Iron	MO4010402	Ironton	Stage 1 DBP Rule
Jackson	MO1020869	Jackson Co PWSD #16	Consumer Confidence Report
Jasper	MO5048210	Country Club MHP	Consumer Confidence Report
Jefferson	MO6031110	Briarwood Lake Development	Lead and Copper Rule
Jefferson	MO6041184	Walker Hill MHP	Consumer Confidence Report
Johnson	MO1041099	Patricks	Total Coliform Rule
Johnson	MO1041466	Hazel Hill MHP	Total Coliform Rule
Lafayette	MO1010464	Lexington - Us Water Co	Stage 1 DBP Rule
Lawrence	MO5041314	Youngberg Estates MHP	Total Coliform Rule
Lawrence	MO5041314	Youngberg Estates MHP	Chemical Monitoring, Nitrates
Lawrence	MO5041314	Youngberg Estates MHP	Consumer Confidence Report
Lawrence	MO5048294	Lucky Lady Mobile Home Park	Lead and Copper Rule
Lincoln	MO6041229	Autumn Hills MHP	Radionuclide Rule
Linn	MO2010105	Brookfield	Stage 1 DBP Rule
Maries	MO3031246	Martin Subdivision	Total Coliform Rule
McDonald	MO5071444	Mo-ark Apartments	Total Coliform Rule
McDonald	MO5071444	Mo-ark Apartments	Lead and Copper Rule
McDonald	MO5292748	Ganns One Stop	Total Coliform Rule
Miller	MO3231730	Village Marina	Total Coliform Rule
Mississippi	MO4021178	Mississippi Co PWSD #1	Consumer Confidence Report
Moniteau	MO3024395	Moniteau Co PWSD #1	Consumer Confidence Report
Montgomery	MO3281053	Loutre Shore Country Club	Total Coliform Rule
Montgomery	MO6010848	Wellsville	Stage 1 DBP Rule
Oregon	MO4024433	Oregon Co PWSD #2	Consumer Confidence Report
Ozark	MO5212755	Cross Roads Store	Total Coliform Rule
Ozark	MO5212795	Lori Sues Hillside Cafe	Total Coliform Rule
Pettis	MO3036105	Monsees Lake Estates	Consumer Confidence Report
Pettis	MO3218188	Temp Stop	Total Coliform Rule
Polk	MO5041146	Valley View Acres	Total Coliform Rule
Polk	MO5069073	Home Court Advantage	Consumer Confidence Report
Pulaski	MO3048029	Ace Plaza	Consumer Confidence Report
Pulaski	MO3172556	Heavens View, Inc	Lead and Copper Rule
Pulaski	MO3302411	Lookout Mountain	Consumer Confidence Report
Saline	MO2010305	Gilliam	Consumer Confidence Report
St Francois	MO4010270	Farmington	Radionuclide Rule
St Francois	MO4036124	Wycliff Meadows Subd	Radionuclide Rule

Appendix D

Significant Non-Compliers

County	ID#	System Name	Regulation(s) Violated
St Louis	MO6200549	Crescent Farms Golf Club	Total Coliform Rule
Stone	MO5030473	Starlight Village	Total Coliform Rule
Stone	MO5030473	Starlight Village	Consumer Confidence Report
Stone	MO5031449	Stump Hollow Subdivision	Total Coliform Rule
Stone	MO5036312	Turner Estates Subd	Consumer Confidence Report
Stone	MO5040355	Rocky Top Mobile Home Court	Consumer Confidence Report
Stone	MO5241195	Cape Fair Mobile Home Park	Chemical Monitoring, Nitrates
Stone	MO5258070	Starlite Village, 4th Addition	Lead and Copper Rule
Stone	MO5258070	Starlite Village, 4th Addition	Consumer Confidence Report
Stone	MO5258070	Starlite Village, 4th Addition	Total Coliform Rule
Taney	MO5031223	Branson Creek Development LLC	Total Coliform Rule
Taney	MO5201985	Bridgewood Country Club	Total Coliform Rule
Washington	MO4011123	Mineral Point	Radionuclide Rule
Washington	MO4041275	L & M Mobile Home Park	Consumer Confidence Report
Washington	MO4292724	Pacos C-store	Total Coliform Rule
Washington	MO6010659	Potosi	Radionuclide Rule
Washington	MO6010659	Potosi	Total Coliform Rule
Washington	MO6024633	Washington Co PWSD #1	Consumer Confidence Report
Wayne	MO4211563	Chaonia Hotspot	Total Coliform Rule
Wayne	MO4241707	Camp Cherokee Ridge	Total Coliform Rule
Wright	MO5212760	Manes Restaurant	Total Coliform Rule



Missouri Department of Natural Resources

For Further Information

Information regarding the contents of this report or related data on Missouri's public water systems can be obtained by writing to

Missouri Department of Natural Resources,
Public Drinking Branch
Water Protection Program
P.O. Box 176
Jefferson City, MO 65102-0176

1-800-361-4827 or (573) 751-5331.
www.dnr.mo.gov/env/wpp/dw-index.htm.



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